Work Orde		227		*892	77*		,,,				Page 1
Item ID: Revision ID:	D212-580-0	41		Accept	*N90004	.010	<b>N</b> *	Setup	Start	*N	S1*
Item Name:	Cargo Mirror	Assembly, 8 inch Ro	und			20			Stop	*N.	S2*
Start Date:	8/21/12	Start Qty: 2.00	, ,	*2*	Cust Item ID:						
Required Date:	9/07/12	Req'd Qty: 2.00	,	<b>*</b> 2*	<b>Customer:</b>						
Reference:		i									
Approvals:	Process Pla	an: MLブ	Date: 17	108 28 Tooling:	Date:			Run	Start	*N	R1*
	QC:		Date:	SPC (Y/N):	Date:				Stop	*N	R2*
Sequence ID/ Work Center II	)	Operation Description		Set Up/ Run Hours	Tool ID Too	ol # Plan Code	Accep Qty	ot Re Qt	-	Reject Number	Insp. Stamp
Draw Nbr	Rev	vision Nbr									
D2161	B2					e e					ľ
IIN-D212-580-	-1 A		V		•					1	1
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Document Control		<b>Memo</b> Photoco	by bluefile and crea	ate labels as per PPP D212-580-041	. QQ CHG004			O	÷.		
160		מיא ו.ימ		0.00							50
*160 *160* Packaging Packaging	. <sup>(1)</sup>	Pick Kit  Memo		0.00			2×		<del>)</del> —		2-11-8

NCR: Yes / No WORK ORDER NON-CONFORMANCE / UPDATE ;														
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Work Orde	ır.					DISPOSITION				AGAINST D	EPARTMENT	/PROCESS		
Work Orac	'' —					Rework	7		Skid-tube	Crosstube	7	Water Jet		Engineering
Part N	lo.					Scrap	1		Machining	Small Fab	Pro	d. Eng. Coor.		Quality
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Equip/Tooling														
Operator														
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Setup									i					
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Process	_													
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Landii	ng Gea					General		1		Г	٦		<u> </u>	/= 1
	_	nding				Bend	$\vdash$	Grain		<del> -</del>	Ovalized		$\mathbf{H}$	ressure/Forced
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	_	icks			-	Broken/Damaged	$\vdash$	4 '	ion Incomplete	, , , , , , , , , , , , , , , , , , ,	Part Incorre		$\vdash$	Veld
	Crushed/Crimped Burrs Cuffs Contamination		4	-	-	cions Incomplete/	Unclear	Part Lost/M	-	∐ <sup>v</sup>	Vrong Stock Pulled			
					<u> </u>	Countaining	-	Mainte		-	Part Moved			
	—	at Trea		T b		Countersink	-	Mislabe		-	Positioned	_	$\Box$	Dela a a
			Strip in	rupe	<u> </u>	Cut Too Short	$\vdash$	Misread	<b>3</b>	Ļ	Power Loss	/surge		Other
	<b></b> i `	ples in			_	Drill Holes	$\vdash$	Offset	C - 111					
Torque Waves in Extrusion			n	Drawing		Jout of 6	Calibration							

Out of Sequence

Outside Dimensions

DQA:

Date:

Turning Sequence

Wave/Twist in Tube

Finish

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Work Ord				*892	77*						Page
Item ID: Revision ID:	D212-580-	041		Accept	*N900	040	100	)* s	etup Star	I VI	S1*
Item Name:	Cargo Mirro	or Assembly, 8 inch Round							Stop	, *N	S2*
Start Date: Required Date	8/21/12 : 9/07/12	Start Qty: 2.00 Req'd Qty: 2.00	*2* *2*		Cust Item I Customer:	D:					
Reference:											
Approvals:	Process P	lan:	Date:	Tooling:	Da	ite:		R	tun Star	"1/	R1*
	QC:		Date:	SPC (Y/N):	Da	ite:			Stop	` *N	R2*
Sequence ID/ Work Center	(D	Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
170		QC4- 100% Inspect kits f	or completeness	0.00	DAS			$\circ$			
*170* QC Quality Control		Memo		0.00	15 ! 2 // 09			<u> </u>			

180

\*180\*

Packaging

Packaging

Packaging

Memo

0.00 Identify and pack for shipping as per PPP D212--580-041Location: PPP Rev:

190

QC21- Final Inspection - Work Order Release

0.00

0.00

\*190\*

QC

Memo

0.00

Quality Control

Page 2

										DQA:	Date:	•
NCR: Y	es / No				WORK ORDER NON-C	ONI	FORN	MANCE / UPDATE		_		•
					*			•		QA Closed:	Date:	
					DISPOSITION			AGAINST	DEI	PARTMENT/	PROCESS	
Work Orde	er:					,						l - · · · · - □
					Rework			Skid-tube Crosstube	$\vdash$	Dun	Water Jet	Engineering
Part N	10				Scrap			Machining Small Fab	$\vdash$		d. Eng. Coor. e/Packaging	Quality Other
NICD A	la.				Use-as-is Work Order Update	1		noforming Finishing Large Fab Composite	$\vdash$	Ket/Stor	Supplier	
NCR N	NO				Work Order Opdate	1		raige rab Composite			Supplie!	l — l — l
Root				Descri	ption of work order update	In	itial	Action		Sign &		
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		_			Bend	$\mathbf{H}$	Grain		-	Ovalized	. ,	Pressure/Forced
	<del></del>	ot Conce	ntric to	o/s	BOM/Route	$\mathbf{H}$	Hardwa		$\vdash$	Over/Under	<del></del>	Temperature/Cure
	<b>—</b>			<u> </u>	Broken/Damaged	$\vdash$	-	on Incomplete	$\vdash$	Part Incorred	<del>-</del>	Weld
	Landing Gear  Bending  Centre Not Concentric to O/S  Cracks  Crushed/Crimped.  Cuffs  Heat Treat		<u> </u>	Burrs	-		ions Incomplete/Unclear	$\vdash$	Part Lost/Mi	ssing	Wrong Stock Pulled	
	<b>—</b>				Contamination	$\vdash$		nance	<b>—</b>	Part Moved		
	Heat Treat				Countersink	Mislabeled				Positioned V	Vrong	

Misread

Out of Calibration

Out of Sequence

Outside Dimensions

Offset

Other

Power Loss/Surge

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

Inspection Strip in Tube

Torque Waves in Extrusion

Cut Too Short

Drill Holes

Drawing

Finish

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

## **Picklist Print**

August-24-12 11:18:20 AM

Work Order ID:

89227

Parent Item:

D212-580-041

Parent Item Name:

Cargo Mirror Assembly, 8 inch Round

**Start Date: 8/21/12** 

Required Date: 9/07/12

Page 1

Start Qty: 2.00

Required Qty: 2.00

Comments:

IPP Rev:H Removed D2013-3/-4 06-03-22 JLM

IPP REV:I AS PER ECN10-611 10-09-07 JLM VERIFIED

BY:DD

IPP rev:J 10.11.22 AS PER ECN10-

	642 DD VERF:JL	M						9					
Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on e Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3439-101   Mirror Assembly 8"	sms 200	Manufactured	No			100	Each	19.0000	2	4	SP		
				Location		Loc Qty	Ţ	oc Code			•	`	,
				ST229		19							
	2 2.			82	773	19			The A	<b>/</b>			
02161-212 SM Mirror Bracket, 212	) <b>4</b> X	Manufactured	No			100	Each	0.0000		$\times$ $^{2}$	B88x	57	80
<b>NS20426AD3-4</b> RIVET		Purchased	No			100	Each	5,556.0000	8	16 (//)	1230	21	کی م
_ ^				Location		Loc Qty	L	oc Code	1			•	<b>ا</b> ل
5m2	)			333		4000							
2>	Þ			12	2452	4000							
• •				ST316		1556						٠,	
				10	4374	236							_ 1
				11	0398	1320							SM
04164-041 Nut Plate Adapter Assemb	ly	Manufactured	No			100	Each	56.0000	4	3		83	-
$\sim$	) Do			Location		Loc Qty	Ī	oc Code			6	<i>6</i> )3	-11-
>m	) Do			ST104		36				<b>-</b>	_	. , -	•
				83	422	36							
				ST105		20							
				87	347	20							

NCR:	CR: Yes / No WORK ORDER NON-CONFORMANCE / UPDATE														
												QA Closed:	Da	ate:	
Work Orde	ar.					DISPOSITION				AGAINST D	E	PARTMENT	PROCESS		
Work Orde	=1.					Rework	1		Skid-tube	Crosstube	٦		Water Jet	t 🗔	Engineering
Part N	No.					Scrap		1	Machining	Small Fab	┪	Pro	d. Eng. Coor.		Quality
					<del> </del>	Use-as-is		Thern	noforming	Finishing	٦	Rec/Stor	e/Packaging	;	Other
NCR I	No.					Work Order Update	]		Large Fab	Composite			Supplier	· 🗀	
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Equip/Tooling											ı				
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Landi		l			_	General		-		_		•		_	,
	<u> </u>	Bending				Bend	L	Grain		L		Ovalized		$\perp$	Pressure/Forced
		Centre No	ot Concer	ntric to	o/s	BOM/Route	L	Hardwa	ire			Over/Under	tolerance	L	Temperature/Cure
		Cracks				Broken/Damaged		Inspect	ion Incomplete			Part Incorre	ct		Weld
	L	Crushed/	Crimped.			Burrs		Instruct	ions Incomplete/	Unclear		Part Lost/M	issing		Wrong Stock Pulled
		Cuffs				Contamination		Mainte	enance			Part Moved			
		Heat Trea	t			Countersink		Mislabe	eled			Positioned V	Vrong		_
	Inspection Strip in Tube			Cut Too Short		Misread	b			Power Loss/	Surge		Other		
	Ripples in Bend			Drill Holes		Offset									

Out of Calibration

Out of Sequence

Outside Dimensions

DQA:

Date:

Turning Sequence

Wave/Twist in Tube

Torque Waves in Extrusion

Drawing

Finish

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

August-24-12 11:18:20 AM

Work Order ID:

89227

Parent Item:

D212-580-041

Parent Item Name:

Cargo Mirror Assembly, 8 inch Round

**Start Date: 8/21/12** 

Required Date: 9/07/12

Start Qty: 2.00

Required Qty: 2.00

MS27039-1-08

Screw

Purchased

No

100

Each

1,400.0000

8m123265 50 12-11-8.

5ms 2

Location	Loc Qty	Loc Code	
308	420		 1
122452	420		
ST291	980		
117423	73		
119075	1		
120308	44		
121011	43		
121243	500		
121708	319		

										DQA:	Date:	
NCR: Y	res / No				WORK ORDER NON-	COI	NFORM	MANCE / UPI	DATE	04 (14)	Data	•
							<u> </u>	**		QA Closed:	Date:	
Work Orde	ar:				DISPOSITION		1		AGAINST DE	PARTMENT	/PROCESS	
Work Orde					Rework	٦	ŀ	Skid-tube	Crosstube		Water Jet	Engineering
Part N	No.				Scrap	1		Machining	Small Fab	Pro	d. Eng. Coor.	Quality
					Use-as-is	]	Therm	noforming	Finishing	Rec/Stoi	re/Packaging	Other
NCR N	No				Work Order Update			Large Fab	Composite		Supplier	
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Operator												
Material												
Setup	_											
Other			İ									
Process												
Supplier	$\vdash \vdash$		ŀ									•
Training												
Unapproved				<u> </u>		- 0	LT CATE	CORY				
Landii	ng Gear				General	AUI	LICATE	GORT				
Landi	Bending	,		<u> </u>	Bend	Г	Grain			Ovalized	<u></u>	Pressure/Forced
	<b>⊢</b> ⊣ `	Not Conce	ntric to	0/5	BOM/Route	$\vdash$	Hardwa	uro.		Over/Under	tolerance	Temperature/Cure
	Cracks	voi conce	marc to	°''  -	Broken/Damaged	-	4	ion Incomplete	-	Part Incorre	<del></del>	Weld
	<b>—</b>	I/Crimped		<del> </del>	Burrs	-	4 `	ions Incomplete/	Unclear	Part Lost/M	<del> </del>	Wrong Stock Pulled
	Cuffs	, crimpeu	•	<u> -</u> -	Contamination	-	Mainte	•	Officieal	Part Moved		Taxtong prock talled
		oat		-	Countersink	$\vdash$	-1		_	Positioned \		
	Heat Treat		-	Countersink Mislabeled  Out Too Short Misroad				<u> </u>	Power Loss		Other	

Offset

Out of Calibration

Out of Sequence

Outside Dimensions

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

Torque Waves in Extrusion

Drill Holes

Drawing

Finish

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## DART AEROSPACE LTD.

REFERENCE OF ...

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IIN-D212-580-1 Page 10 of 10

## 4.0 PARTS LIST

Qty	Qty	Qty	Part Number	Description
562	563	580		
-041	-041	(041)	•	
X			D204-562-041	DUAL MIRROR INSTALLATION
	Х		D205-563-041	DUAL MIRROR INSTALLATION
		Х	D212-580-041	DUAL MIRROR INSTALLATION
-2-	2	2-2-	D3439-101	*MIRROR*(WAS D2011-103)
1			D2161-204	MIRROR BRACKET
	1		D2161-205	MIRROR BRACKET
		<b>6</b> 1===	■D2464=242	MIRRORBRAGKET
*2	*2	*2	D3015-3	LOCKNUT
*2	*2	*2	AN960JD516	WASHER
		-8	MS20426AD3-4	
			■D4164=041	NUT PLATE ASSEMBLY
4	4	-4-	*MS27039*1*08	•S@REW-

<sup>\*</sup> PARTS ARE INCLUDED WITH D3439-101 MIRROR

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Revision: B

Date: 12.06.13